International Business Machines Corporation

MEMORANDUM TO: Licensees of the IBM BASIC for VM/SP CMS, 5668-996

SUBJECT: PTFs
Features 5066/5067

The following is PTF that currently valid. It is enclosed with this memorandum.

5668-996-PTF002

"This PTF is subject to the provisions of the Agreement for IBM Licensed Programs. By this Agreement, the customer has agreed not to provide or otherwise make available the PTF to any person other than customer or IBM employees. If customer wishes to dispose of the licensed PTF which remains the property of IBM, he may either 1) return the IBM property medium embodying the PTF to IBM, or, 2) render the PTF unreadable if on non-IBM property medium. The PTF may not be given to third parties, except during the period any such person is on customer's premises with customer's use of the PTFs."

Tapes labeled "Property of IBM", which are no longer needed for productive use, can be returned by:

a. If you received your tape(s) in a reversible box, simply follow the directions by reversing the original box containing your tape(s) ordered from IBM.

b. If your order was not mailed to you in a reversible box, a self-addressed, postage-paid label is enclosed for your convenience.

When returning tapes to PID, please use the protective plastic rings to prevent damage in return shipment.

IBM BASIC PROGRAM PRODUCT

RELEASE 1

5668-996

SERVICE TAPE 02

MEMO TO USERS

and

INSTALLATION INSTRUCTIONS

THIS MEMO DESCRIBES THE SERVICE FOR THE IBM BASIC PROGRAM PRODUCT 5668-996 RELEASE 1.

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The following is a description of the Service tape for IBM Basic.

FILE 1 - Contains the Program Level File (5668996 010003) and Memo To Users (5668996 Memo)

FILE 2 - Contains the Service exec itself (5668996 exec) and its required auxiliary execs, Upcon xedit and Basend exec.

FILE 3 - Contains updated and new files.

IF LOCAL MODIFICATIONS ARE TO BE APPLIED, YOU MUST FIRST APPLY ALL IBM SUPPLIED UPDATES.

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** IMPORTANT ** Before applying this tape you should contact the IBM Support Center to do a search on any known PTF errors against this tape.

** IMPORTANT ** See Update to memo on page 3

******** NOTE NOTE NOTE ********

The Program Product Installation exec (I5668996 exec) has been upgraded on this PTF tape to enhance tracking features used by the Basic Config file. It must be used to install 'Basic'.

The userid of 'Maint' is shown here as in most cases when updates are applied, this is the ID used. If you do not have this ID on your system or choose not use it, then substitute any valid userid for this.

To use the updated install exec, the following procedures must be followed:

a) Access the disk on which you are going to install the 'Basic' product in read/write mode;

b) Mount this service tape and attach the tape drive to Maint's userid at virtual address 181;

c) Issue: VMFPLC2 FSF 2 (This skips the first two files)

d) Issue: : VMFPLC2 load I5668996 exec 'x'
: VMFPLC2 load Install Basmemo 'x'

(where 'x' is the file mode of the Basic product disk)

This loads the new Installation exec and the new Install Basmemo to the Basic product disk)

e) Rewind and unload the service tape and mount the Program Product install tape.

f) Review the 'Install Basmemo'

g) Issue the CMS command 'Q LDRTBLS'.

If it is less than 5 set the loader tables to 5 with the CMS command 'Set Ldrtbls 5'

This is done due to the large number of text decks being loaded to create the full 'Basic' module. If not done, you will receive the message 'DMSLIO116S Loader Table Overflow' and the build of your 'Basic' module will be incomplete.

h) Execute 'I5668996'

After you install 'Basic' successfully, you must execute the service exec (5668996 Exec) to apply all updates. See the following pages for Update install instructions.

* * * *

Update

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UPDATE: You cannot change Library option values during the primary install of 'Basic'. Due to the nature of the fix for this problem, the PTF002 update tape must be applied after the initial install of Basic, before making any changes to the Library values. Again, this only applies to the Library option values.

Once the PTF002 updates have been applied succesfully, and you wish to change the Library options, re-invoke the installation exec (I5668996) and choose option 8 'Changing Library Default Options Values Only'. This will allow you to update the values without having to go thru the entire installation again.

If the Library values are inadvertently updated, and you have not applied the updates, you will receive the following message when trying to run any Basic program:

BLI-7352S Line XXX. Print zone size too small. Program execution terminated.

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NOTES:

The Service Exec checks the 'Basic Config' file for any customization you may have made. It uses this data to recreate the way you are invoking Basic (i.e. minimal text - dynamic loading, full load modules, DCSS, added or deleted reserved word changes, intrinsic function changes) and then recreates this environment for you.

In the case of running with DCSS, the service exec extracts from the 'Basic Config' file the addresses at which you loaded the 'Basseg' and 'Bliseg' segments and then, during the service exec creates a temporary exec, called BASDCSS, to reload these for you. It will then print a message stating you are running with DCSS and that when all updates are applied, you must redefine your virtual machine size and invoke this exec to recreate the DCSSs. The BASDCSS exec automatically erases itself upon completion of restoring the DCSSs hence disregard the error message 'DMSEXE085E - Error in BASDCSS exec'

The Service exec also creates temporary disks to be used as a staging disk and a recovery disk. The temp. staging disk, address '002' accessed as 'B' receives the updates from the ptf tape. The temp. recovery disk, address '003' accessed as 'I' is used to hold copies of the files being updated. In case of an incorrect update, the files from disk 'I' can then be copied back to the product disk and the customer can resume running Basic with his previous system until the problem is corrected.

In case the Service exec itself fails, the copy of the files back to the main product disk, from the recovery disk, is done for you.

After the updates have been applied, you should invoke Basic and issue the command 'run IVP'. This will execute the Installation and Verificaton program shipped with the product and confirm that the updates were correctly applied.

The 'Config Exec' included on this PTF tape can be used, after the updates have been applied, to scan the configuration of the 'Basic' product. The exec, which is menu driven, is invoked by simply typing 'Config X', where X is the file mode of the disk where the Config exec resides.

SERVICE TAPE FORMAT

*** FILE 1 - MEMO TO USERS ***

5668996	010003	A1
5668996	Memo	A1

*** FILE 2 - SERVICE EXECS ***

UPCON	XEDIT	A1
BASEND	EXEC	A1
5668996	EXEC	A1

*** FILE 3 - UPDATES ***

I5668996	EXEC	A1
INSTALL	BASMEMO	A1
IOPT	EXEC	A1
RWTR	EXEC	A1
BGEN	EXEC	A1
BLIGEN	EXEC	A1
BASGEN	EXEC	A1
CONFIG	EXEC	A1
CONFIUPD	XEDIT	A1
IVP	BASIC	A1
IVP	TEXT	A1
BLISTRM	TEXT	A1
BLIOC86	TEXT	A1
BLIOC37	TEXT	A1
BLIOC36	TEXT	A1
BLIOC33	TEXT	A1
BLIOC22	TEXT	A1
BLIOC21	TEXT	A1
BLIOC20	TEXT	A1
BLIOC10	TEXT	A1
BLIIOPN	TEXT	A1
BASIWKS	TEXT	A1
BASBPOP	TEXT	A1
BASBGNP	TEXT	A1
BASBFRL	TEXT	A1
BASBFOP	TEXT	a1
BASBEGN	TEXT	A1
BASBEGN	FTEXT	A1
BASBGNP	FTEXT	A1
BASIWKS	FTEXT	A1

APAR DESCRIPTION

APAR	LEVEL	DESCRIPTION
PP15889	001	UP29387 - Missing code function output after filedef for terminal
PP15890	001	UP29387 - Invalid display if user disconnects from a terminal and reconnects to a terminal with different screen characteristics.
PP15891	001	UP29387 - Null line produced on 3278-5 after a 'More' prompt.
PP15892	001	UP29387 - Invalid object for large program. 'If' statement does not recognize input in compiled program.
PP16347	001	UP29387 - Basic terminates during merge of a 'Basic' file.
PP16348	001	UP29387 - Basic internal error occurs when compiling an intrinsic function which was removed from the reserved word table.
PP16355	001	Upgraded Installation exec tracking capabilities
PP17315	001	Service exec for PTF001 does not allocate enough blocks for staging and recovery disks when temp. 3310's or 3370's are used. As a result a 'disk' full condition is created which then issues an inaccurate message stating that the tape drive has either dropped ready or is not attached.
PP17409	001	IVP (Installation Verification Program) terminates with error message BLI-3218S on PTF001. This was due to a filedef for the files being opened already existing on the 'Basic' product disk to which the user has read access only.
PP17590	001	Message BAS50001U received after installing 'Basic' with 'Speed' option and applying PTF001 tape. Problem is caused by extra 'Space' text decks which were included on PTF001 tape.